

## Claims

1. A method for taking measurements in a mobile telecommunications system, the system comprising a network of a plurality of cells and at least one user equipment device, the method comprising, at the user equipment device:

receiving a measurement control set-up command;  
in response setting up the measurements;  
monitoring for a change in state of the UE and, in response to a change in state, issuing a measurement control pause command;

on receipt of a measurement control pause command, stopping taking measurements and maintaining the measurement settings initialised previously;

monitoring for a change in state of the UE and, in response to a change in state, issuing a measurement control resume command; and

on receipt of a measurement control resume command, resuming taking measurements with the maintained measurement settings.

2. A method according to claim 1 further comprising

the RRC layer sending a measurement control pause command to layer 1, which in response stops taking measurements and maintains the measurement settings initialised previously; and

the RRC layer sending a measurement control resume command to layer 1, which in response resumes taking measurements with the maintained measurement settings.

3. Apparatus for taking measurements in a mobile telecommunications system, the system comprising a network of a plurality of cells and at least one user equipment device, the apparatus being arranged to carry out the following steps:

receiving a measurement control set-up command;  
in response setting up the measurements;  
monitoring for a change in state of the UE and, in response to a change in state, issuing a measurement control pause command;

on receipt of a measurement control pause command, stopping taking measurements and maintaining the measurement settings initialised previously;

monitoring for a change in state of the UE and, in response to a change in state, issuing a measurement control resume command; and

on receipt of a measurement control resume command, resuming taking measurements with the maintained measurement settings.

4. Apparatus according to claim 3 further comprising  
the RRC layer sending a measurement control pause signal to layer 1, which in response stops  
taking measurements and maintains the measurement settings initialised previously; and
- 5 the RRC layer sending a measurement control resume signal to layer 1, which in response  
resumes taking measurements with the maintained measurement settings.
5. A user device comprising apparatus according to claim 3 or 4.